

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A recording apparatus for recording digital information signals on a removable rewritable disc-like recording medium, the medium comprising a user area for recording user data represented by the digital information signals and for recording first file system data comprising directory and file entries pointing to the user data according to rules of a first file system, a spare area outside the user area comprising replacement areas for defect management, a table area outside the user area for recording a defect table comprising a list of addresses of the replacement areas and defect areas in the user area, a general application area outside the user area and outside the spare area for recording second file system data comprising

directory and file entries pointing to the user data according to rules of a second file system, the second file system data being different from the first file system, the recording apparatus comprising

[[ ]] input means for receiving the digital information signals;

[[ ]] recording means for recording the digital information signals on the medium;

[[ ]] reading means for reading recorded digital information signals recorded on the medium;

[[ ]] output means for outputting the read digital information signals; and

[[ ]] control means for controlling recording the digital information signals,

~~characterized in that wherein~~ the control means are adapted to increase a storage space for the second file system data by mark marking a part of the medium as unusable in the defect table and to ~~record~~ recording a part of the second file system data in the part of the medium marked as unusable.

2. (Currently Amended) A-The recording apparatus as claimed in claim 1, ~~characterized in that wherein~~ the control means are adapted to mark at least a part of the spare area as unusable in the defect table and to record the part of the second file system data in the at least the part of the spare area marked as unusable.

3. (Currently Amended) A-The recording apparatus as claimed in claim 2, ~~characterized in that wherein~~ the control means are adapted to search the defect table for a replacement area address of a replacement area comprising recorded user data, to localize the replacement area according to the replacement area address, to search the defect table for a free replacement area address of a free replacement area without the user data, to localize the free replacement area according to the free replacement area address, to read the recorded user data from the replacement area, to record the user data read from the replacement area in the free replacement area and to mark the replacement area as unusable in the defect table.

4. (Currently Amended) A The recording apparatus as claimed in claim 1, ~~characterized in that wherein~~ the control means are adapted to mark a part of the user area as unusable in the defect table and to record the part of the second file system data in the part of the user area marked as unusable.

5. (Currently Amended) A The recording apparatus as claimed in claim 4, ~~characterized in that wherein~~ the control means are adapted to search the defect table for a free replacement area address of a free replacement area without the user data, to localize the free replacement area according to the free replacement area address, to read recorded user data from the part of the user area, to record the user data read from the part of the user area in the free replacement area and to mark the part of the user area as unusable in the defect table.

6. (Currently Amended) A The recording apparatus as claimed in claim 1, ~~characterized in that wherein~~ the control means are

adapted to collect change information related to changes of the first file system data or of the second file system data and to modify the first file system data or the second file system data in dependence on the change information.

7. (Currently Amended) A The recording apparatus as claimed in claim 6, ~~characterized in that wherein~~ the control means are adapted to record the change information on the medium.

8. (Currently Amended) A The recording apparatus as claimed in claim 1, ~~characterized in that wherein~~ the control means are adapted to collect status information related to changes of the defect table and to modify the second file system data in dependence on the status information.

9. (Currently Amended) A The recording apparatus as claimed in claim 8, ~~characterized in that wherein~~ the control means are adapted to record the status information on the medium.

10. (Currently Amended) A method of recording digital information signals on a removable rewritable disc-like recording medium, the medium comprising a user area for recording user data represented by the digital information signals and for recording first file system data comprising directory and file entries pointing to the user data according to rules of a first file system, a spare area outside the user area comprising replacement areas for defect management, a table area outside the user area for recording a defect table comprising a list of addresses of the replacement areas and defect areas in the user area, a general application area outside the user area and outside the spare area for recording second file system data comprising directory and file entries pointing to the user data according to rules of a second file system, the second file system data being different from the first file system, the method characterized by comprising the act of increasing a storage space for the second file system data by the acts of:

[[ - ]] marking a part of the medium as unusable in the defect table; and

[[ - ]] recording a part of the second file system data in the part of the medium marked as unusable.

11. (Currently Amended) ~~A-The method as claimed in claim 10, characterized in that wherein the part of the medium comprises at least a part of the spare area.~~

12. (Currently Amended) ~~A-The method as claimed in claim 11, characterized by further comprising the acts of:~~

[[ - ]] searching the defect table for a replacement area address of a replacement area comprising recorded user data;

[[ - ]] localizing the replacement area according to the replacement area address;

[[ - ]] searching the defect table for a free replacement area address of a free replacement area without the user data;

[[ - ]] localizing the free replacement area according to the free replacement area address;

[[ - ]] reading the recorded user data from the replacement area;

[[ - ]] recording the user data read from the replacement area  
in the free replacement area; and

[[ - ]] marking the replacement area as unusable in the defect  
table.

13. (Currently Amended) ~~A~~ The method as claimed in claim 10,  
~~characterized in that wherein~~ the part of the medium comprises a  
part of the user area.

14. (Currently Amended) ~~A~~ The method as claimed in claim 13,  
~~characterized by further comprising the acts of:~~

[[ - ]] searching the defect table for a free replacement area  
address of a free replacement area without the user data;

[[ - ]] localizing the free replacement area according to the  
free replacement area address;

[[ - ]] reading recorded user data from the part of the user  
area;

[[ - ]] recording the user data read from the part of the user  
area in the free replacement area; and



[[ - ]] marking the part of the user area as unusable in the defect table.

15. (Currently Amended) ~~A-The~~ method as claimed in claim 10, ~~characterized by further comprising the acts of:~~

[[ - ]] collecting change information related to changes of the first file system data or of the second file system data; and

[[ - ]] modifying the first file system data or the second file system data in dependence on the change information.

16. (Currently Amended) ~~A-The~~ method as claimed in claim 15, ~~characterized by further comprising the act of~~ recording the change information on the medium.

17. (Currently Amended) ~~A-The~~ method as claimed in claim 10, ~~characterized by further comprising the acts of:~~

[[ - ]] collecting status information related to changes of the defect table; and

[[ - ]] modifying the second file system data in dependence on

the status information.

18. (Currently Amended) ~~A~~The method as claimed in claim 17,  
~~characterized by further comprising the act of recording~~ the status  
information on the medium.

19. (Currently Amended) A computer ~~data~~-system comprising a  
computer connected to a recording apparatus for recording digital  
information signals on a removable rewritable disc like recording  
medium, the medium comprising a user area for recording user data  
represented by the digital information signals and for recording  
first file system data comprising directory and file entries  
pointing to the user data according to rules of a first file  
system, a spare area outside the user area comprising replacement  
areas for defect management, a table area outside the user area for  
recording a defect table comprising a list of addresses of the  
replacement areas and defect areas in the user area, a general  
application area outside the user area and outside the spare area  
for recording second file system data comprising directory and file

entries pointing to the user data according to rules of a second file system, the recording apparatus comprising

[[ - ]] input means connected to the computer for receiving the digital information signals;

[[ - ]] recording means for recording the digital information signals on the medium;

[[ - ]] reading means for reading recorded digital information signals recorded on the medium;

[[ - ]] output means for outputting the read digital information signals to the computer;

[[ - ]] control means for controlling recording the digital information signals,

~~characterized in that~~ wherein the computer is adapted to control the control means of the recording apparatus to perform the method according to claim 10.

20. (Currently Amended) A computer program product embodied in a computer-readable medium for recording digital information signals on a removable rewritable disc like recording medium, which

program is operative to cause a processor to perform the method according to claim 10.